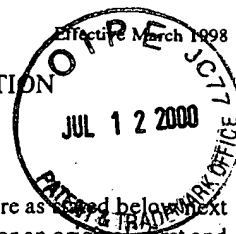


## DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATION

(X) Original    () Supplemental    () Substitute    (X) PCT    () DESIGN



As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Title: SUPPORT MEMBER FOR SEMIPERMEABLE MEMBRANE

of which is described and claimed in:

() the attached specification, or

(X) the specification in application Serial No. NEW, filed April 11, 2000, and with amendments through (if applicable), or

(X) the specification in International Application No. PCT/JP98/03594, filed August 12, 1998, and as amended on (if applicable).

I hereby state that I have reviewed and understand the content of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge my duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim priority benefits under Title 35, United States Code, §119 (and §172 if this application is for a Design) of any application(s) for patent or inventor's certificate listed below and have also identified below any application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NO.	DATE OF FILING	PRIORITY CLAIMED
Japan	042832/1997	February 13, 1997	NO

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	U.S. FILING DATE	STATUS: PATENTED, PENDING, ABANDONED

6. And Thereby appoint Michael R. Davis, Reg. No. 25,134; Matthew M. Jacob, Reg. No. 25,154; Jeffrey Noltan, Reg. No. 25,408; Warren M. Cheek, Jr., Reg. No. 33,367; Nils Pedersen, Reg. No. 33,145; and Charles R. Watts, Reg. No. 33,142, who together constitute the firm of WENDEROTH, LIND & PONACK, L.L.P., jointly and severally, attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I hereby authorize the U.S. attorneys named herein to accept and follow instructions from AOYAMA & PARTNERS as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by me.

Send Correspondence to

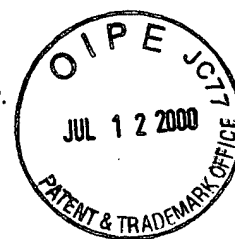
WENDEROTH, LIND & PONACK, L.L.P.  
2033 K Street, N.W., Suite 800  
Washington, D.C. 20006

Direct Telephone Calls to:

WENDEROTH, LIND & PONACK, L.L.P.  
Area Code (202) 721-8200

Direct Facsimile Messages to:

Area Code (202) 721-8250



Full Name of First Inventor	FAMILY NAME <b>SHINOKI</b>	FIRST GIVEN NAME <b>Takanori</b>	SECOND GIVEN NAME
Residence & Citizenship	CITY <b>Osaka</b>	STATE OR COUNTRY <b>Japan</b> JPK	COUNTRY OF CITIZENSHIP <b>Japan</b>
Post Office Address	ADDRESS CITY STATE OR COUNTRY ZIP CODE c/o MIKI TOKUSHU PAPER MFG. CO., LTD., OSAKA OFFICE Shinseiwa Shinosaka Bldg., 18-31, Higashi Nakajima 1-chome, Higashi Yodogawa-ku, Osaka-shi, Osaka 533-0033, Japan		

Full Name of Second Inventor	FAMILY NAME <b>KOUZU</b>	FIRST GIVEN NAME <b>Naoya</b>	SECOND GIVEN NAME
Residence & Citizenship	CITY <b>Ehime</b>	STATE OR COUNTRY <b>Japan</b> JPK	COUNTRY OF CITIZENSHIP <b>Japan</b>
Post Office Address	ADDRESS CITY STATE OR COUNTRY ZIP CODE c/o MIKI TOKUSHU PAPER MFG. CO., LTD. 156, Kawanoe-cho, Kawanoe-shi, Ehime 799-0101, Japan		

Full Name of Third Inventor	FAMILY NAME <b>MIYAGI</b>	FIRST GIVEN NAME <b>Akio</b>	SECOND GIVEN NAME
Residence & Citizenship	CITY <b>Ehime</b>	STATE OR COUNTRY <b>Japan</b> JPK	COUNTRY OF CITIZENSHIP <b>Japan</b>
Post Office Address	ADDRESS CITY STATE OR COUNTRY ZIP CODE c/o MIKI TOKUSHU PAPER CONVERTING MFG. CO., LTD. 121, Kawanoe-cho, Kawanoe-shi, Ehime 799-0101, Japan		

Full Name of Fourth Inventor	FAMILY NAME <b>MIKI</b>	FIRST GIVEN NAME <b>Teruhisa</b>	SECOND GIVEN NAME
Residence & Citizenship	CITY <b>Ehime</b>	STATE OR COUNTRY <b>Japan</b> JPK	COUNTRY OF CITIZENSHIP <b>Japan</b>
Post Office Address	ADDRESS CITY STATE OR COUNTRY ZIP CODE c/o MIKI TOKUSHU PAPER MFG. CO., LTD. 156, Kawanoe-cho, Kawanoe-shi, Ehime 799-0101, Japan		

Full Name of Fifth Inventor	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
Residence & Citizenship	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
Post Office Address	ADDRESS	CITY	STATE OR COUNTRY ZIP CODE

Full Name of Sixth Inventor	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
-----------------------------	-------------	------------------	-------------------

Residence & Citizenship	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
Post Office Address	ADDRESS	CITY	STATE OR COUNTRY ZIP CODE

I further declare that all statements made herein of my own knowledge are true, and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1st Inventor Takanori Shinoki Date May 11, 2000  
Takanori SHINOKI  
2nd Inventor Naoya Kozu Date May 11, 2000  
Naoya KOUZU  
3rd Inventor Akio Miyagi Date May 12, 2000  
Akio MIYAGI  
4th Inventor Teruhisa MIKI Date May 12, 2000  
Teruhisa MIKI  
5th Inventor \_\_\_\_\_ Date \_\_\_\_\_  
6th Inventor \_\_\_\_\_ Date \_\_\_\_\_

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date April 11, 2000  
Applicant Reference Number 530991 Atty Docket No. 2000-0465A  
Title of Invention SUPPORT MEMBER FOR SEMIPERMEABLE MEMBRANE

## DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATION

(X) Original    () Supplemental    () Substitute    (X) PCT    () DESIGN

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Title: SUPPORT MEMBER FOR SEMIPERMEABLE MEMBRANE

of which is described and claimed in:

- () the attached specification, or  
 (X) the specification in application Serial No. NEW, filed April 11, 2000, and with amendments through (if applicable), or  
 (X) the specification in International Application No. PCT/JP98/03594, filed August 12, 1998, and as amended on (if applicable).

I hereby state that I have reviewed and understand the content of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge my duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim priority benefits under Title 35, United States Code, §119 (and §172 if this application is for a Design) of any application(s) for patent or inventor's certificate listed below and have also identified below any application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NO.	DATE OF FILING	PRIORITY CLAIMED
Japan	042832/1997	February 13, 1997	NO

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	U.S. FILING DATE	STATUS: PATENTED, PENDING, ABANDONED

And I hereby appoint Michael R. Davis, Reg. No. 25,134; Matthew M. Jacob, Reg. No. 25,154; Jeffrey Nolton, Reg. No. 25,408; Warren M. Cheek, Jr., Reg. No. 33,367; Nils Pedersen, Reg. No. 33,145; and Charles R. Watts, Reg. No. 33,142, who together constitute the firm of WENDEROTH, LIND & PONACK, L.L.P., jointly and severally, attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I hereby authorize the U.S. attorneys named herein to accept and follow instructions from AOYAMA & PARTNERS as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by me.

Send Correspondence to

WENDEROTH, LIND & PONACK, L.L.P.  
2033 K Street, N.W., Suite 800  
Washington, D.C. 20006

Direct Telephone Calls to:

WENDEROTH, LIND & PONACK, L.L.P.  
Area Code (202) 721-8200

Direct Facsimile Messages to:

Area Code (202) 721-8250

<b>Full Name of First Inventor</b>	<b>FAMILY NAME</b> SHINOKI	<b>FIRST GIVEN NAME</b> Takanori	<b>SECOND GIVEN NAME</b>
<b>Residence &amp; Citizenship</b>	<b>CITY</b> Osaka	<b>STATE OR COUNTRY</b> Japan	<b>COUNTRY OF CITIZENSHIP</b> Japan
<b>Post Office Address</b>	<b>ADDRESS</b> <b>CITY</b> <b>STATE OR COUNTRY</b> <b>ZIP CODE</b> c/o MIKI TOKUSHU PAPER MFG. CO., LTD., OSAKA OFFICE Shinseiwa Shinosaka Bldg., 18-31, Higashi Nakajima 1-chome, Higashi Yodogawa-ku, Osaka-shi, Osaka 533-0033, Japan		

<b>Full Name of Second Inventor</b>	<b>FAMILY NAME</b> KOUZU	<b>FIRST GIVEN NAME</b> Naoya	<b>SECOND GIVEN NAME</b>
<b>Residence &amp; Citizenship</b>	<b>CITY</b> Ehime	<b>STATE OR COUNTRY</b> Japan	<b>COUNTRY OF CITIZENSHIP</b> Japan
<b>Post Office Address</b>	<b>ADDRESS</b> <b>CITY</b> <b>STATE OR COUNTRY</b> <b>ZIP CODE</b> c/o MIKI TOKUSHU PAPER MFG. CO., LTD. 156, Kawanoe-cho, Kawanoe-shi, Ehime 799-0101, Japan		

<b>Full Name of Third Inventor</b>	<b>FAMILY NAME</b> MIYAGI	<b>FIRST GIVEN NAME</b> Akio	<b>SECOND GIVEN NAME</b>
<b>Residence &amp; Citizenship</b>	<b>CITY</b> Ehime	<b>STATE OR COUNTRY</b> Japan	<b>COUNTRY OF CITIZENSHIP</b> Japan
<b>Post Office Address</b>	<b>ADDRESS</b> <b>CITY</b> <b>STATE OR COUNTRY</b> <b>ZIP CODE</b> c/o MIKI TOKUSHU PAPER CONVERTING MFG. CO., LTD. 121, Kawanoe-cho, Kawanoe-shi, Ehime 799-0101, Japan		

<b>Full Name of Fourth Inventor</b>	<b>FAMILY NAME</b> MIKI	<b>FIRST GIVEN NAME</b> Teruhisa	<b>SECOND GIVEN NAME</b>
<b>Residence &amp; Citizenship</b>	<b>CITY</b> Ehime	<b>STATE OR COUNTRY</b> Japan	<b>COUNTRY OF CITIZENSHIP</b> Japan
<b>Post Office Address</b>	<b>ADDRESS</b> <b>CITY</b> <b>STATE OR COUNTRY</b> <b>ZIP CODE</b> c/o MIKI TOKUSHU PAPER MFG. CO., LTD. 156, Kawanoe-cho, Kawanoe-shi, Ehime 799-0101, Japan		

<b>Full Name of Fifth Inventor</b>	<b>FAMILY NAME</b>	<b>FIRST GIVEN NAME</b>	<b>SECOND GIVEN NAME</b>
<b>Residence &amp; Citizenship</b>	<b>CITY</b>	<b>STATE OR COUNTRY</b>	<b>COUNTRY OF CITIZENSHIP</b>
<b>Post Office Address</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE OR COUNTRY</b> <b>ZIP CODE</b>

<b>Full Name of Sixth Inventor</b>	<b>FAMILY NAME</b>	<b>FIRST GIVEN NAME</b>	<b>SECOND GIVEN NAME</b>
------------------------------------	--------------------	-------------------------	--------------------------

<b>Residence &amp; Citizenship</b>	<b>CITY</b>	<b>STATE OR COUNTRY</b>	<b>COUNTRY OF CITIZENSHIP</b>
<b>Post Office Address</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE OR COUNTRY ZIP CODE</b>

I further declare that all statements made herein of my own knowledge are true, and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1st Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Takanori SHINOKI  
2nd Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Naoya KOUZU  
3rd Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Akio MIYAGI  
4th Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Teruhisa MIKI  
5th Inventor \_\_\_\_\_ Date \_\_\_\_\_  
6th Inventor \_\_\_\_\_ Date \_\_\_\_\_

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date April 11, 2000  
Applicant Reference Number 530991 Atty Docket No. 2000-0465A  
Title of Invention SUPPORT MEMBER FOR SEMIPERMEABLE MEMBRANE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT CLAIMING SMALL ENTITY STATUS**  
**(37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN**

Docket Number (Optional)  
2000-0465A

Applicant, Patentee, or Identifier: Takanori SHINOKI et al.

Application or Patent No.: \_\_\_\_\_

Filed or Issued: April 11, 2000

Title: SUPPORT MEMBER FOR SEMIPERMEABLE MEMBRANE

I hereby state that I am

- ☐ the owner of the small business concern identified below:  
☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN MIKI TOKUSHU PAPER MFG. CO., LTD.

ADDRESS OF SMALL BUSINESS CONCERN 156, Kawano-cho, Kawano-shi,  
Ehime 799-0101 Japan

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

- ☒ the specification filed herewith with title as listed above.  
☐ the application identified above.  
☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization having any rights in the invention is listed below:

- ☒ no such person, concern, or organization exists.  
☐ each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING Teruhisa MIKI

TITLE OF PERSON IF OTHER THAN OWNER President

ADDRESS OF PERSON SIGNING 156, Kawano-cho, Kawano-shi, Ehime 799-0101 Japan

SIGNATURE Teruhisa Miki DATE March 10, 2000